

Replacement Sheet

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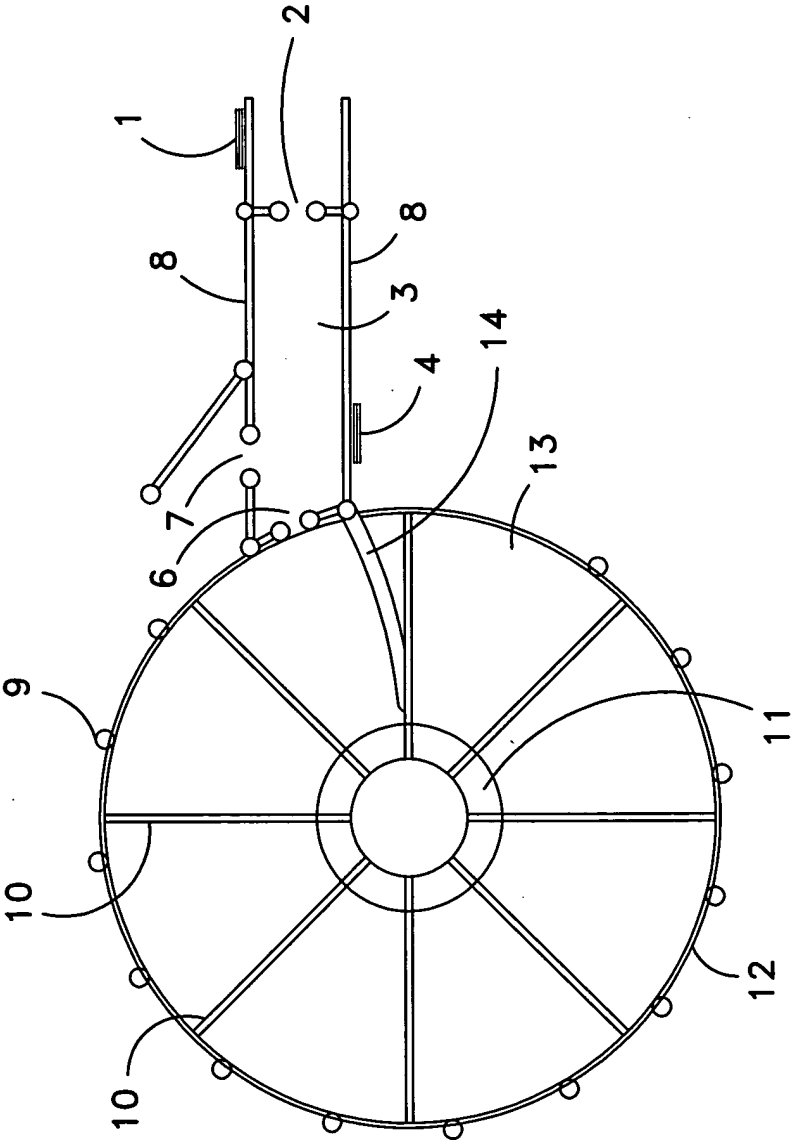
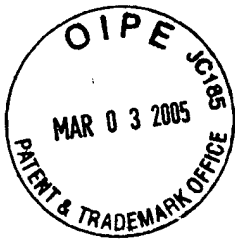


Fig. 1

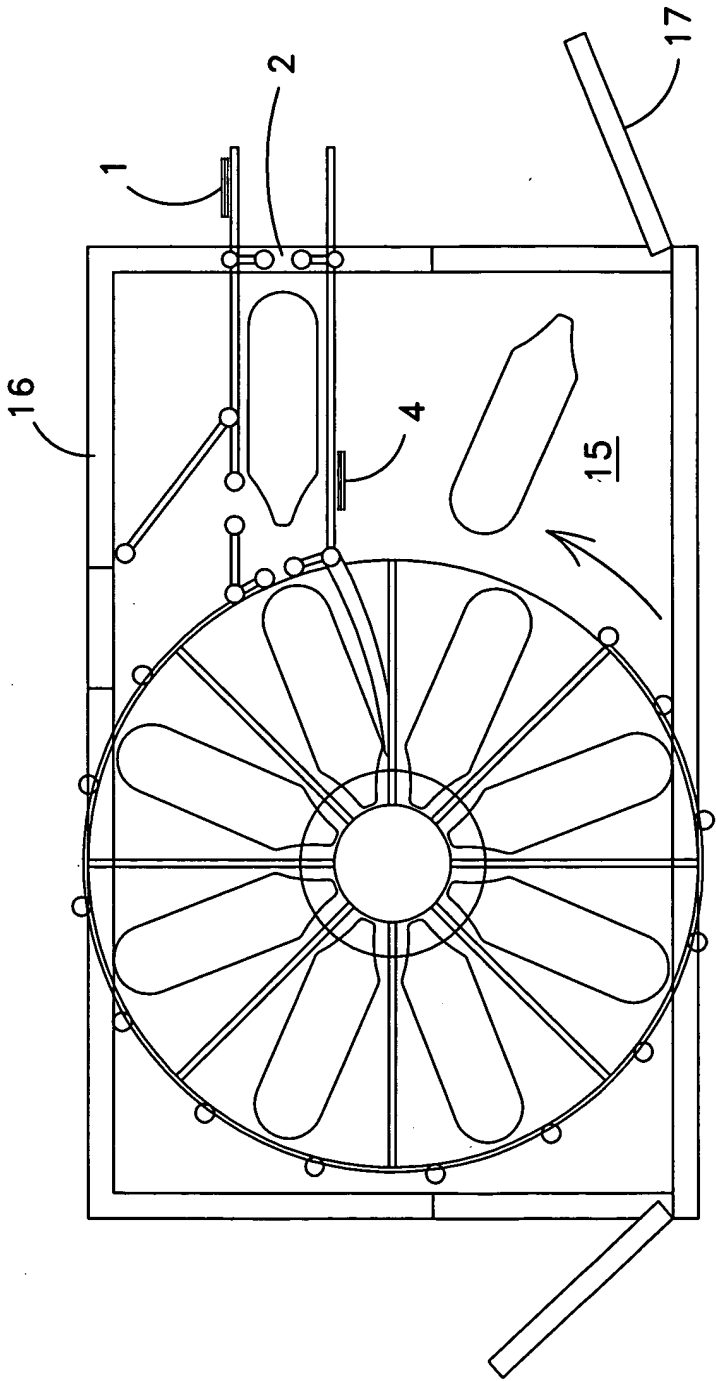


Fig. 2

# Replacement Sheet

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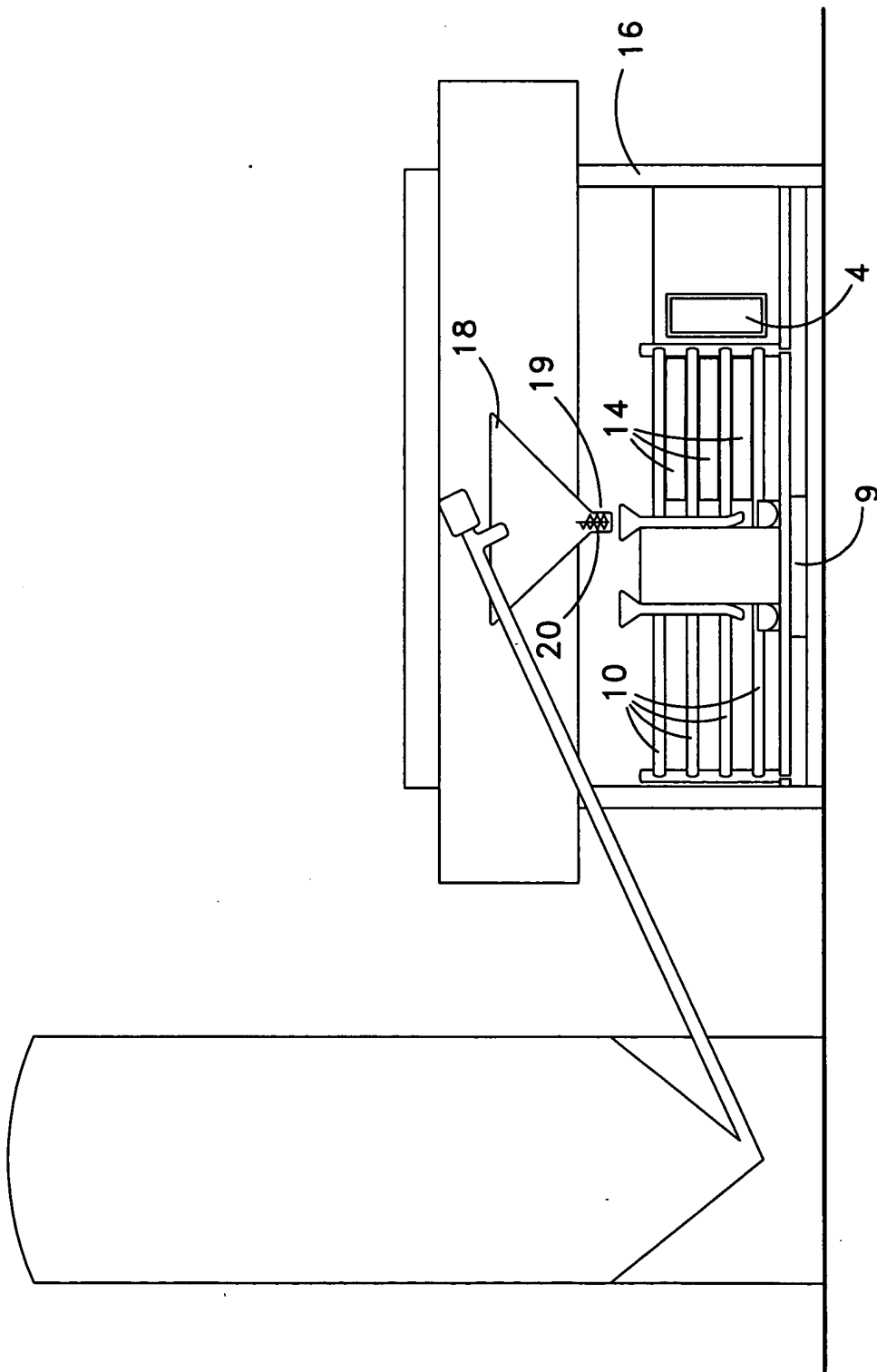


Fig. 3

# Replacement Sheet

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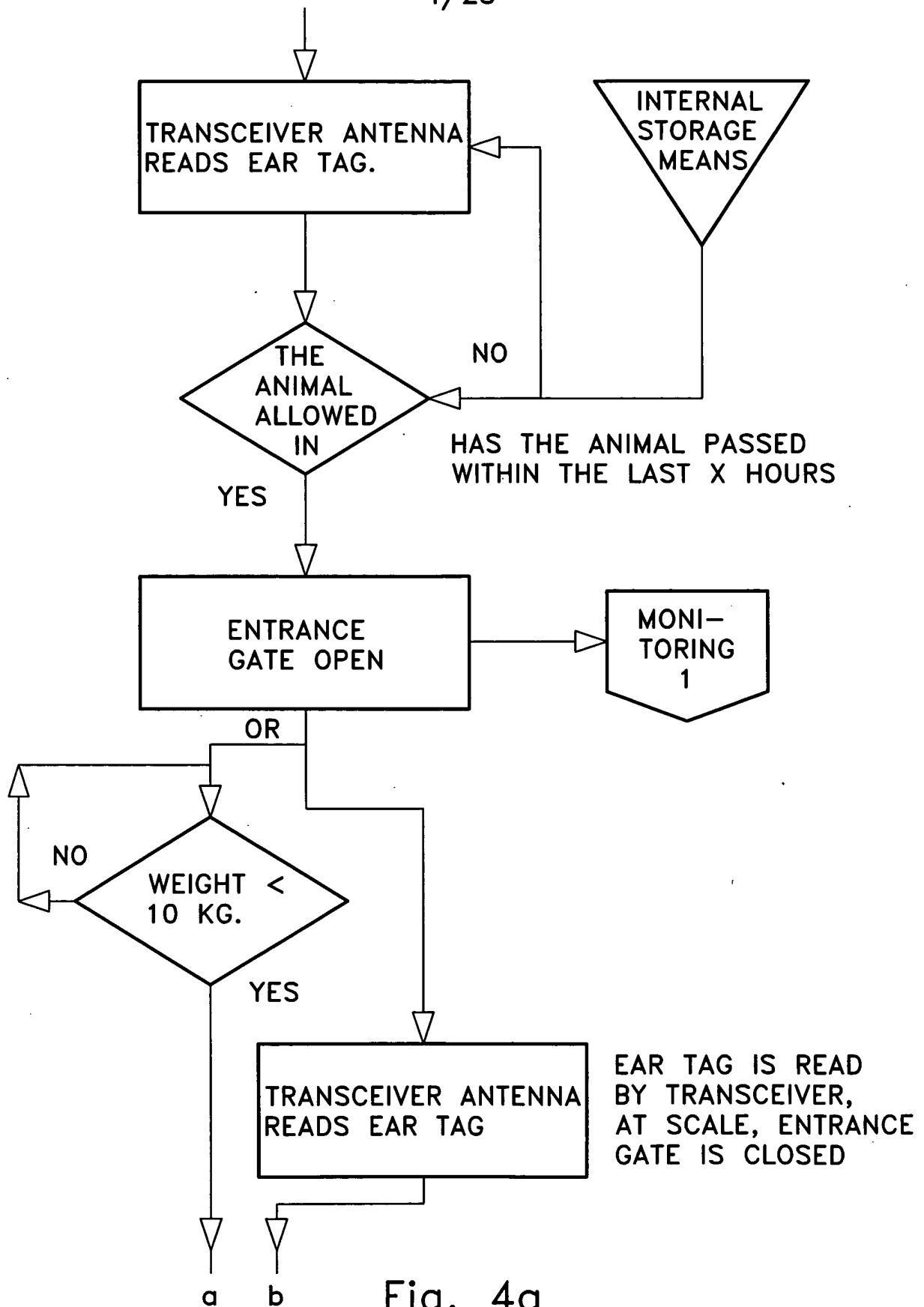


Fig. 4a

# Replacement Sheet

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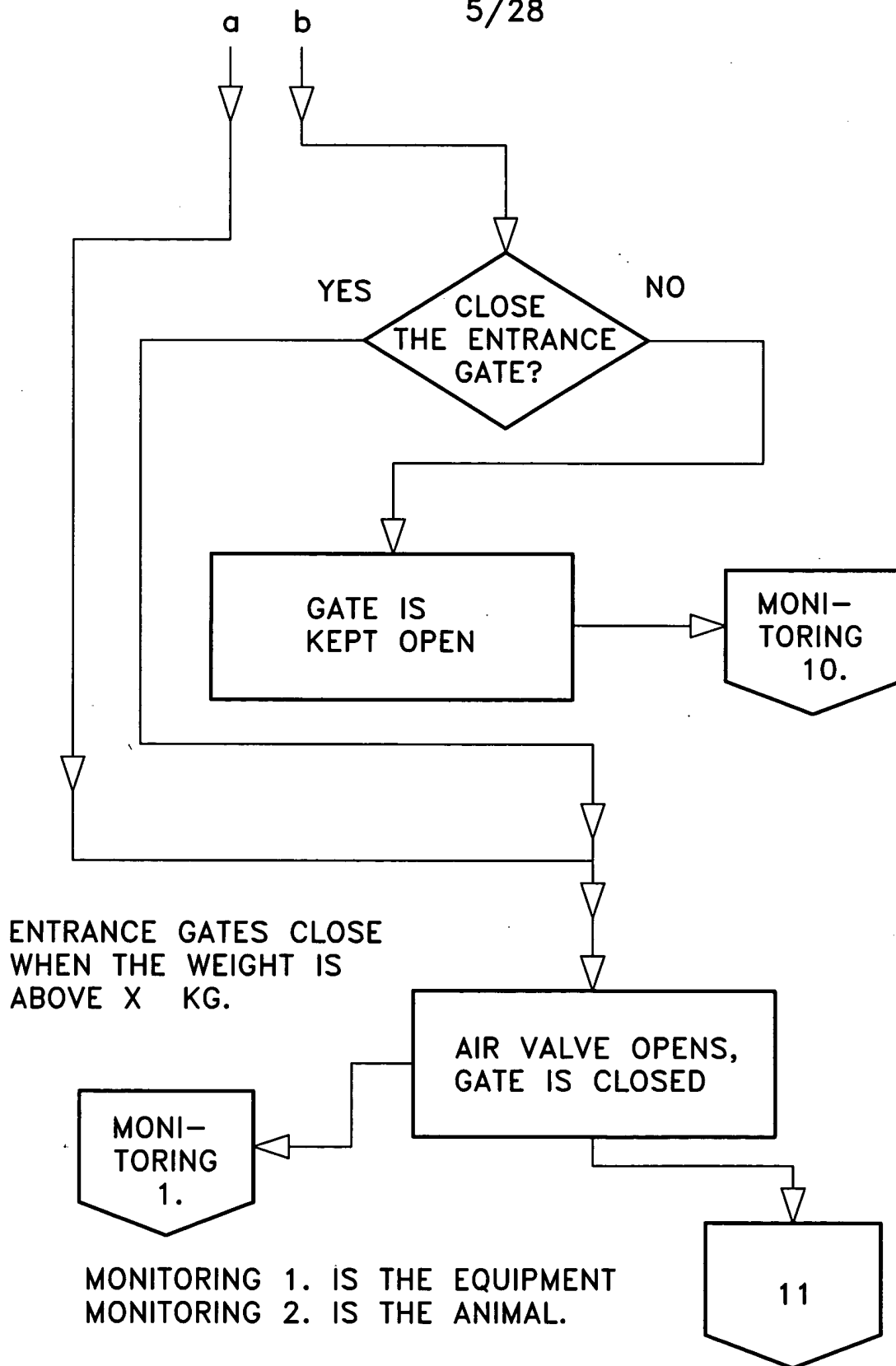


Fig. 4b

# Replacement Sheet

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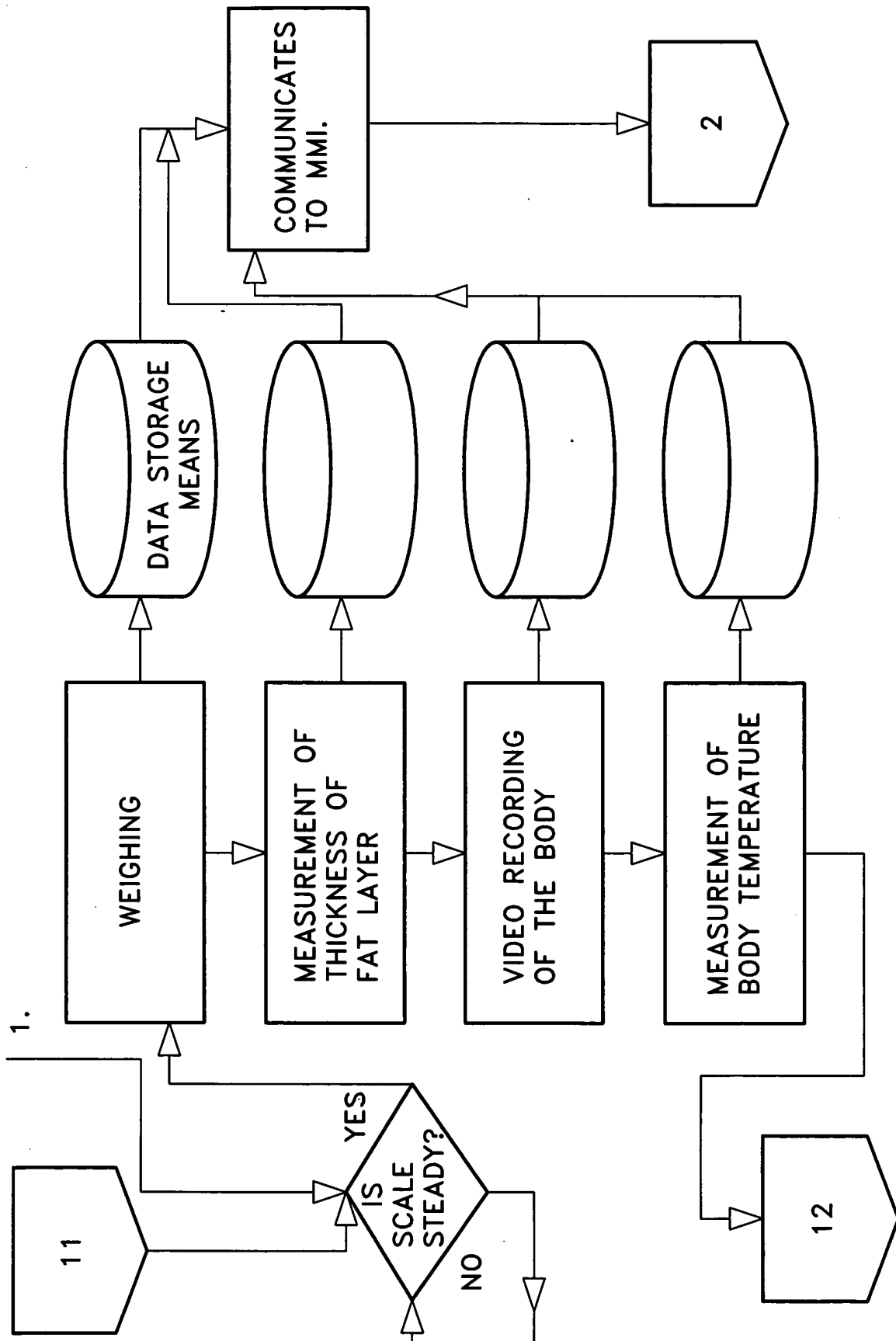


Fig. 5

# Replacement Sheet

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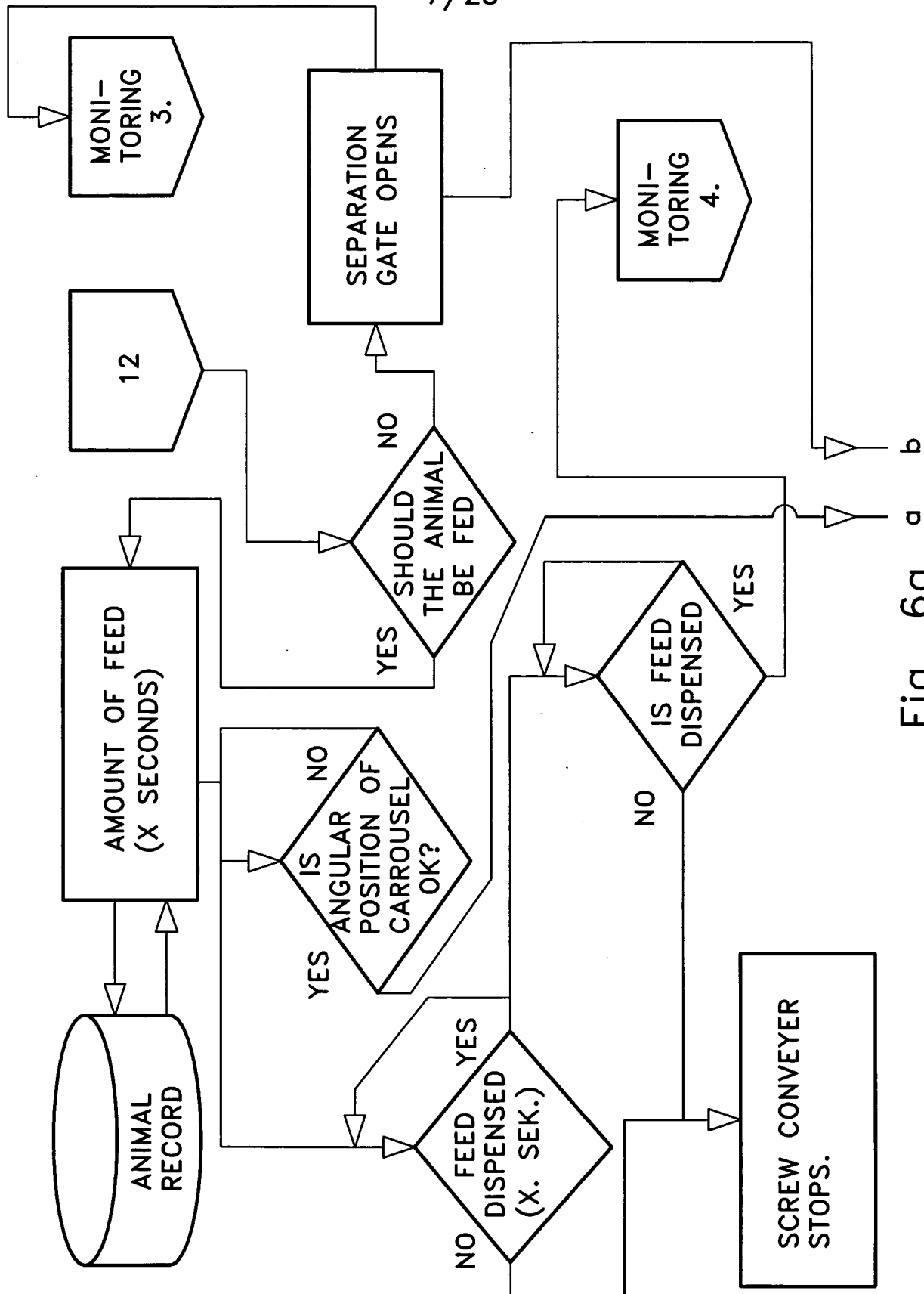


Fig. 6a

Replacement Sheet

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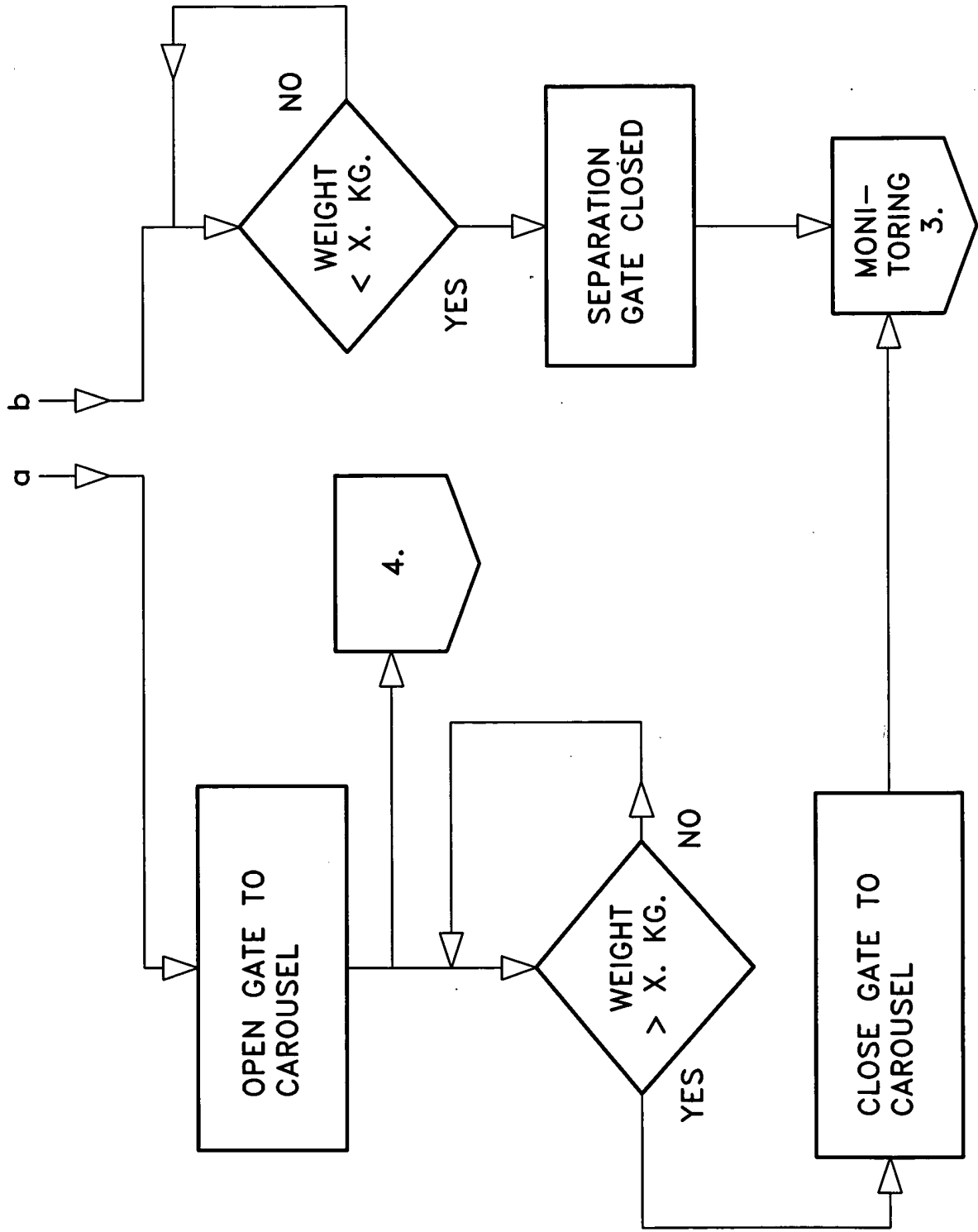


Fig. 6b



# Replacement Sheet

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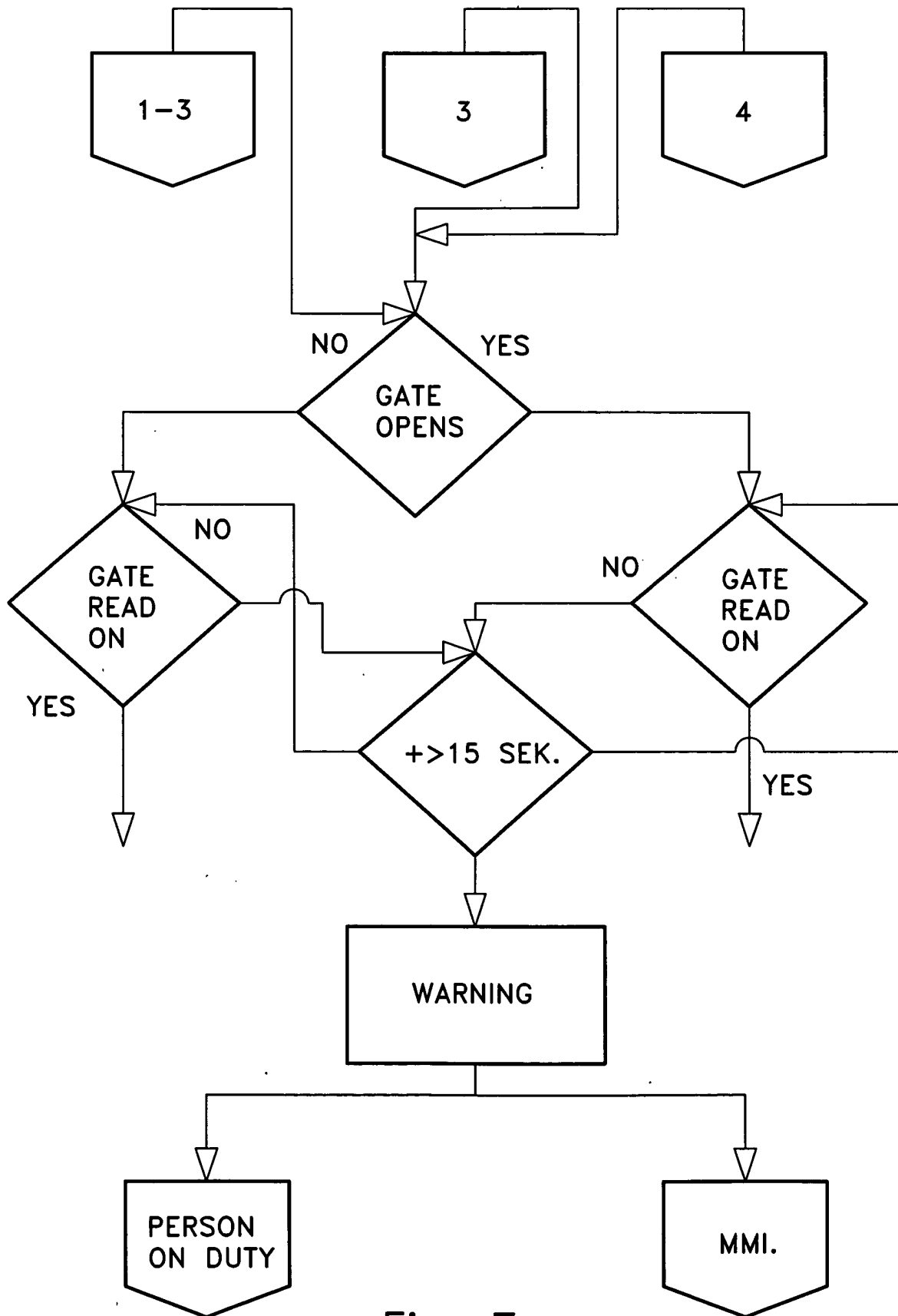


Fig. 7

# Replacement Sheet

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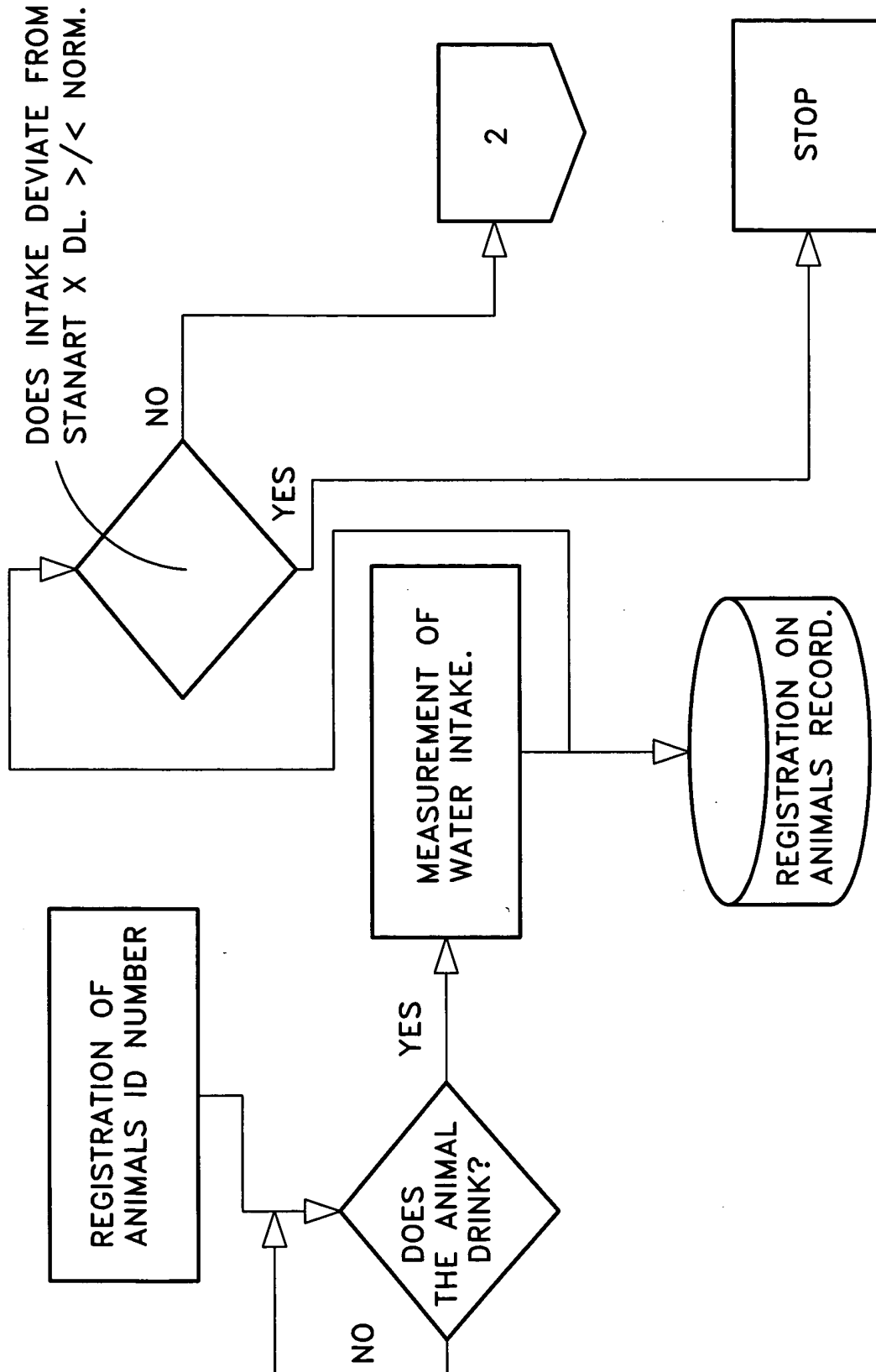


Fig. 8

# Replacement Sheet

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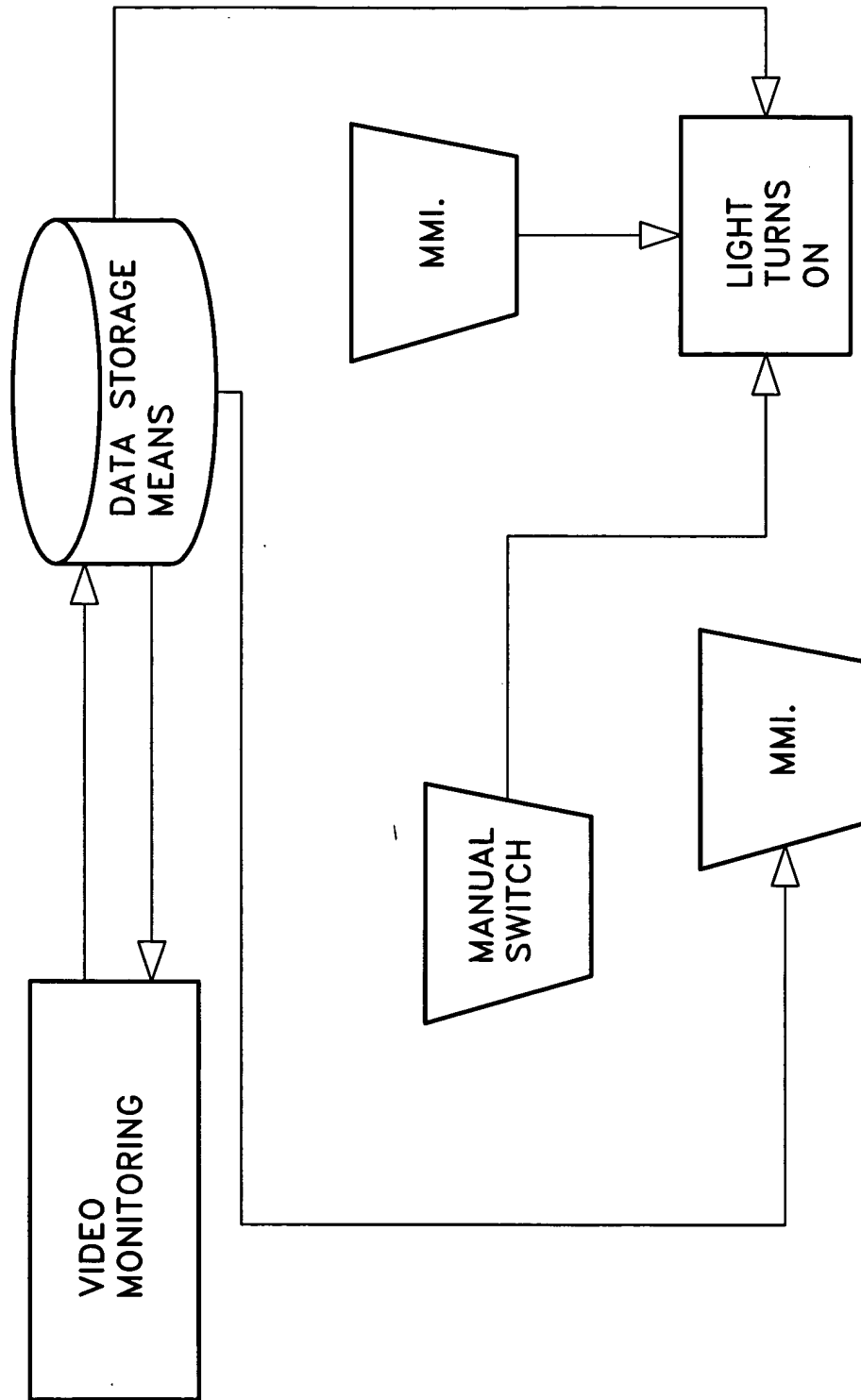


Fig. 9

Replacement Sheet

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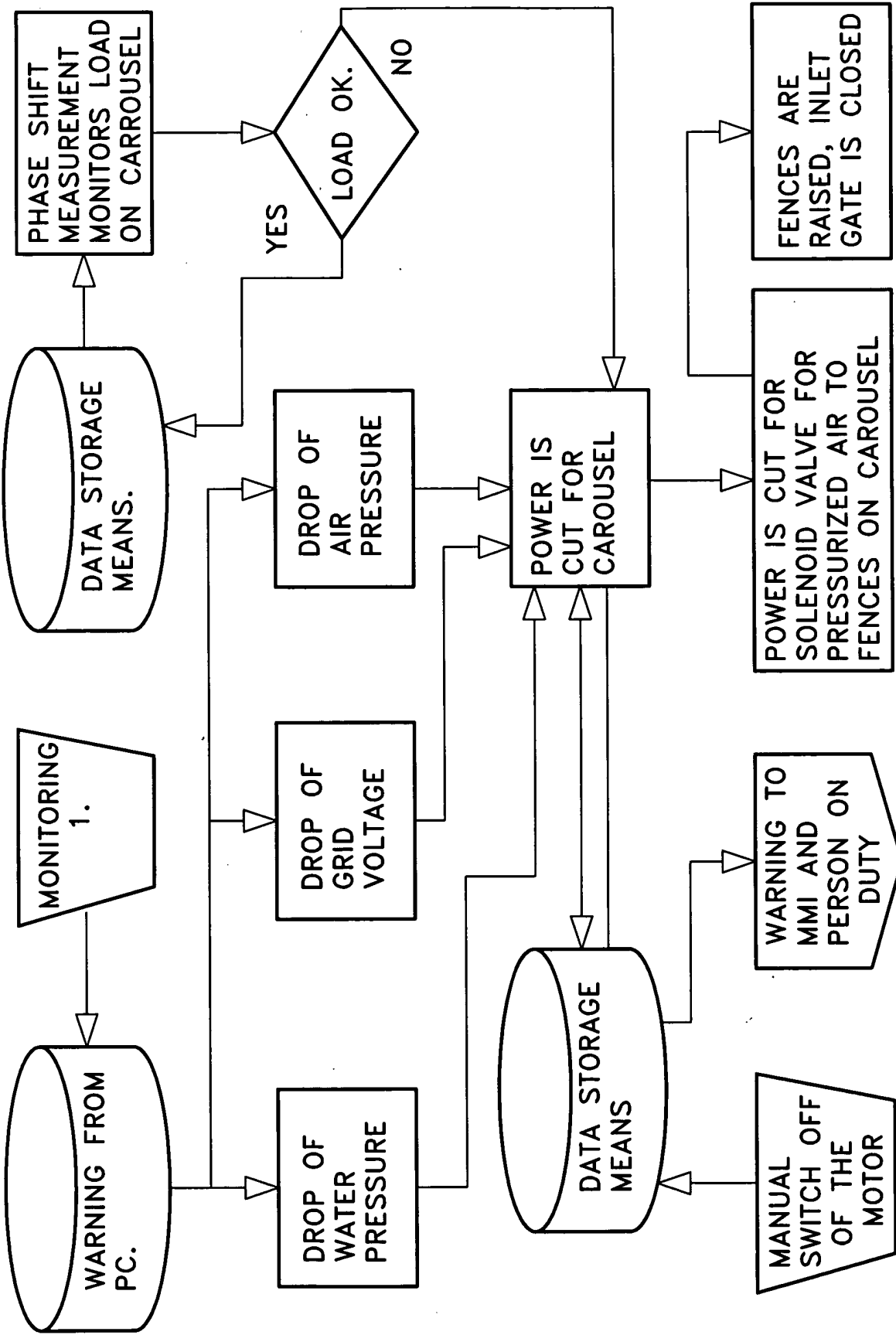


Fig. 10

# Replacement Sheet

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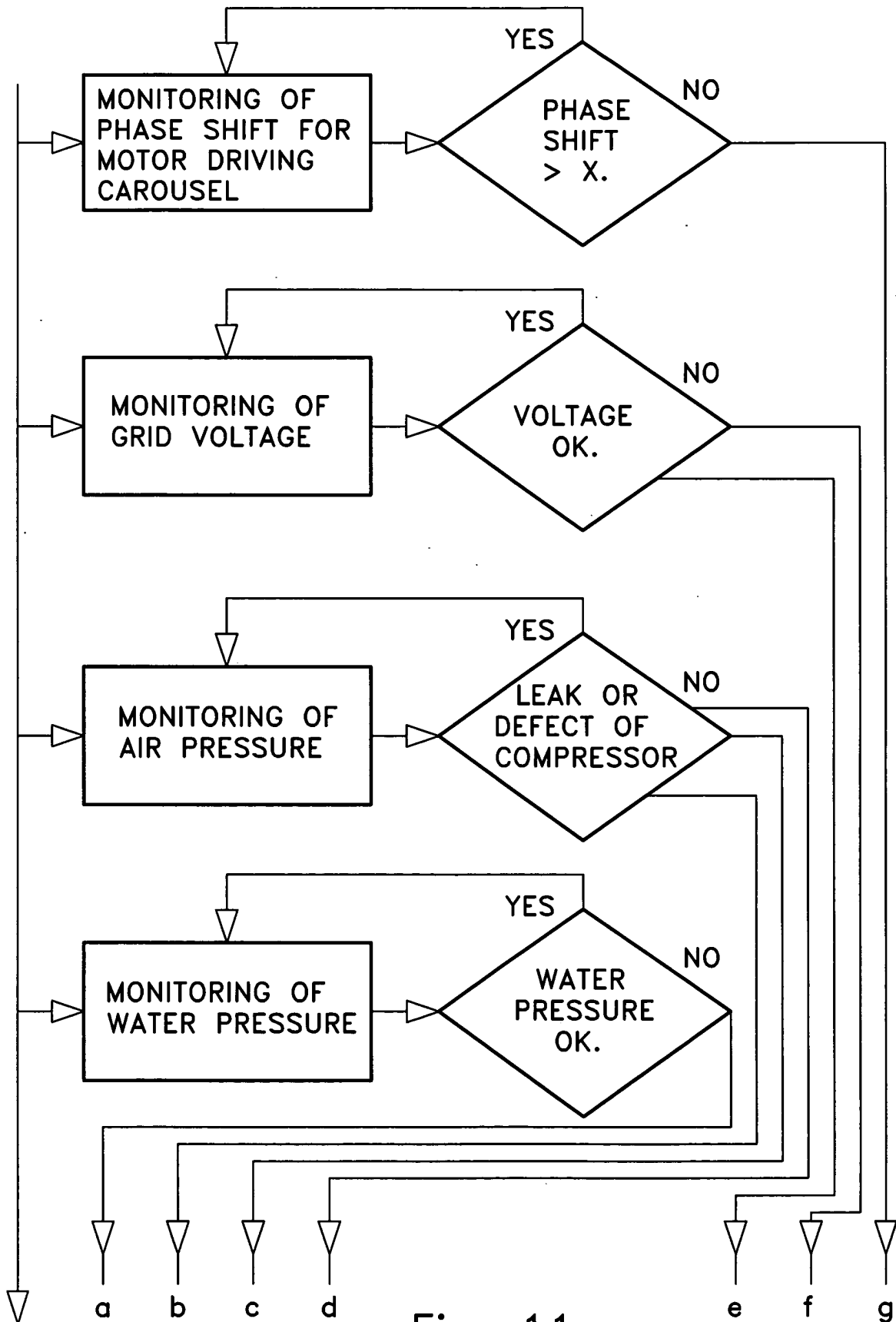


Fig. 11a

# Replacement Sheet

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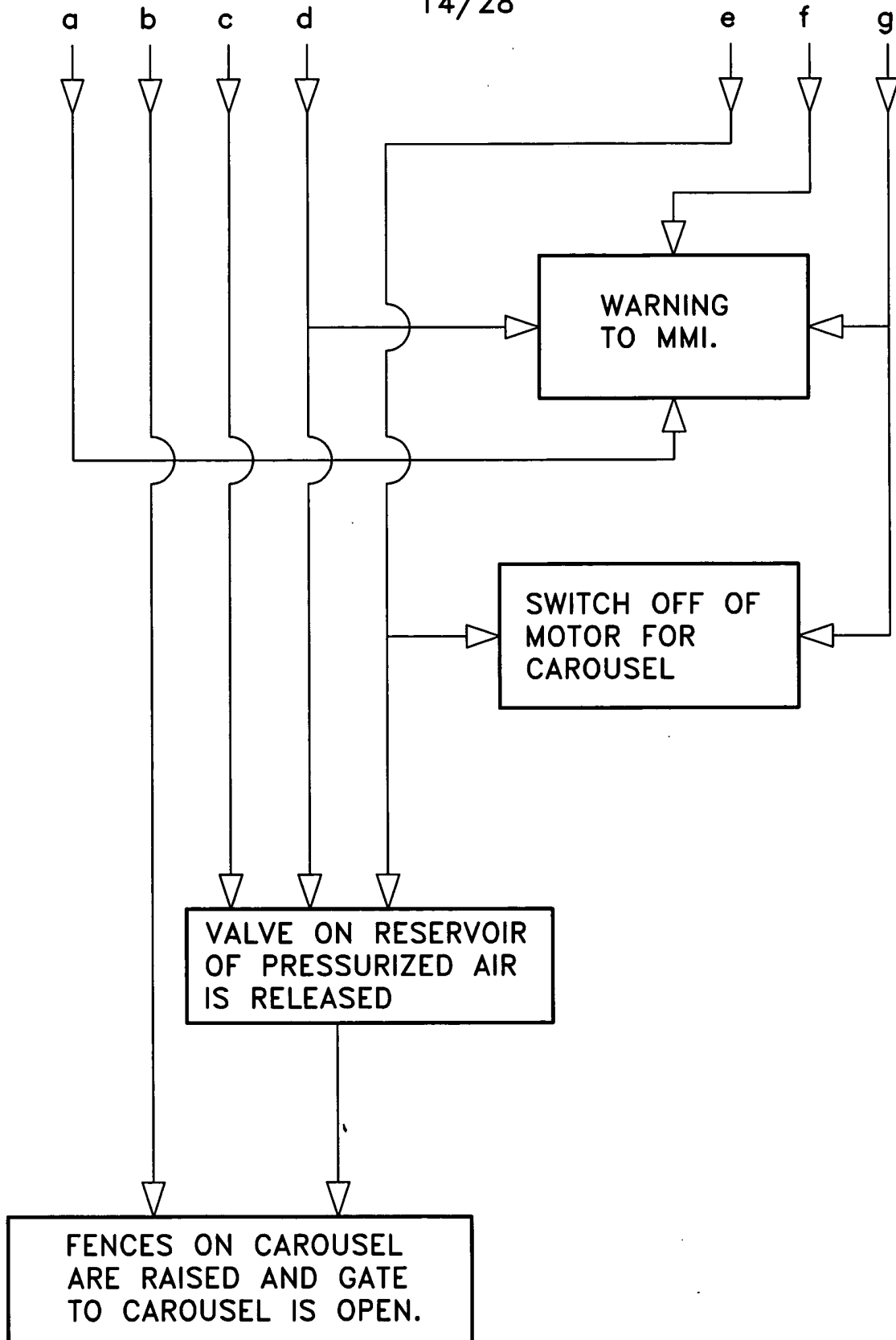


Fig. 11b

# Replacement Sheet

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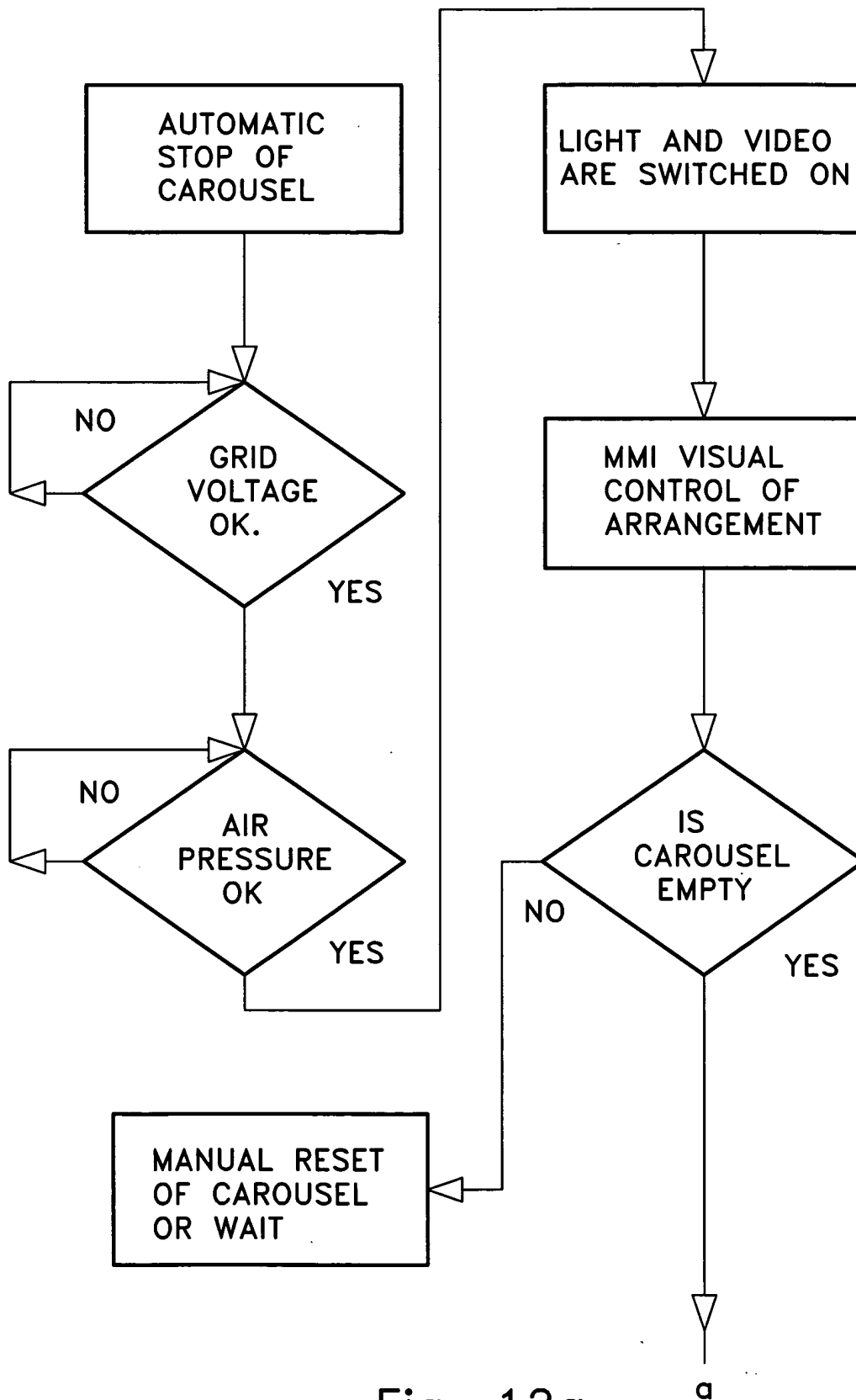


Fig. 12a

# Replacement Sheet

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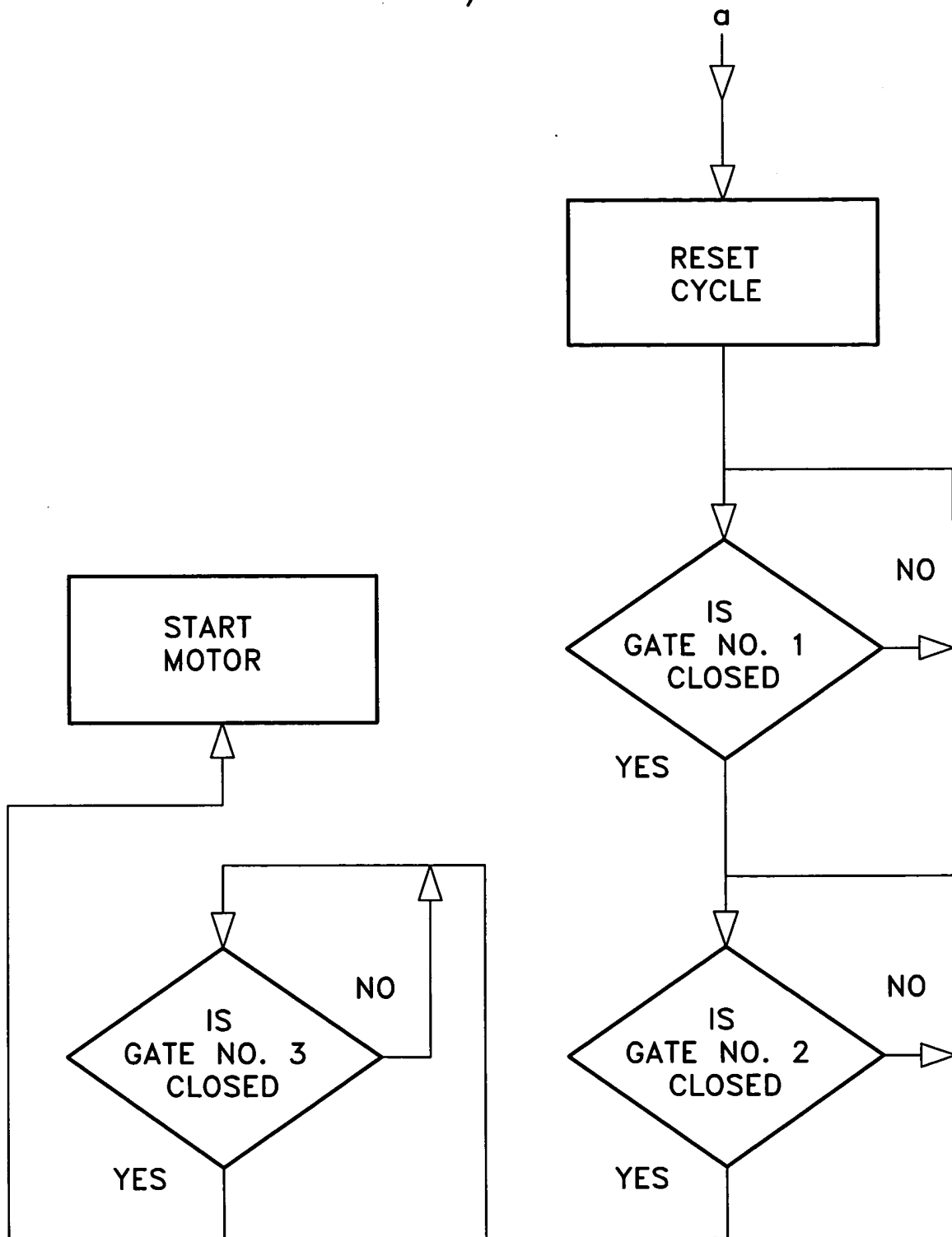


Fig. 12b



# Replacement Sheet

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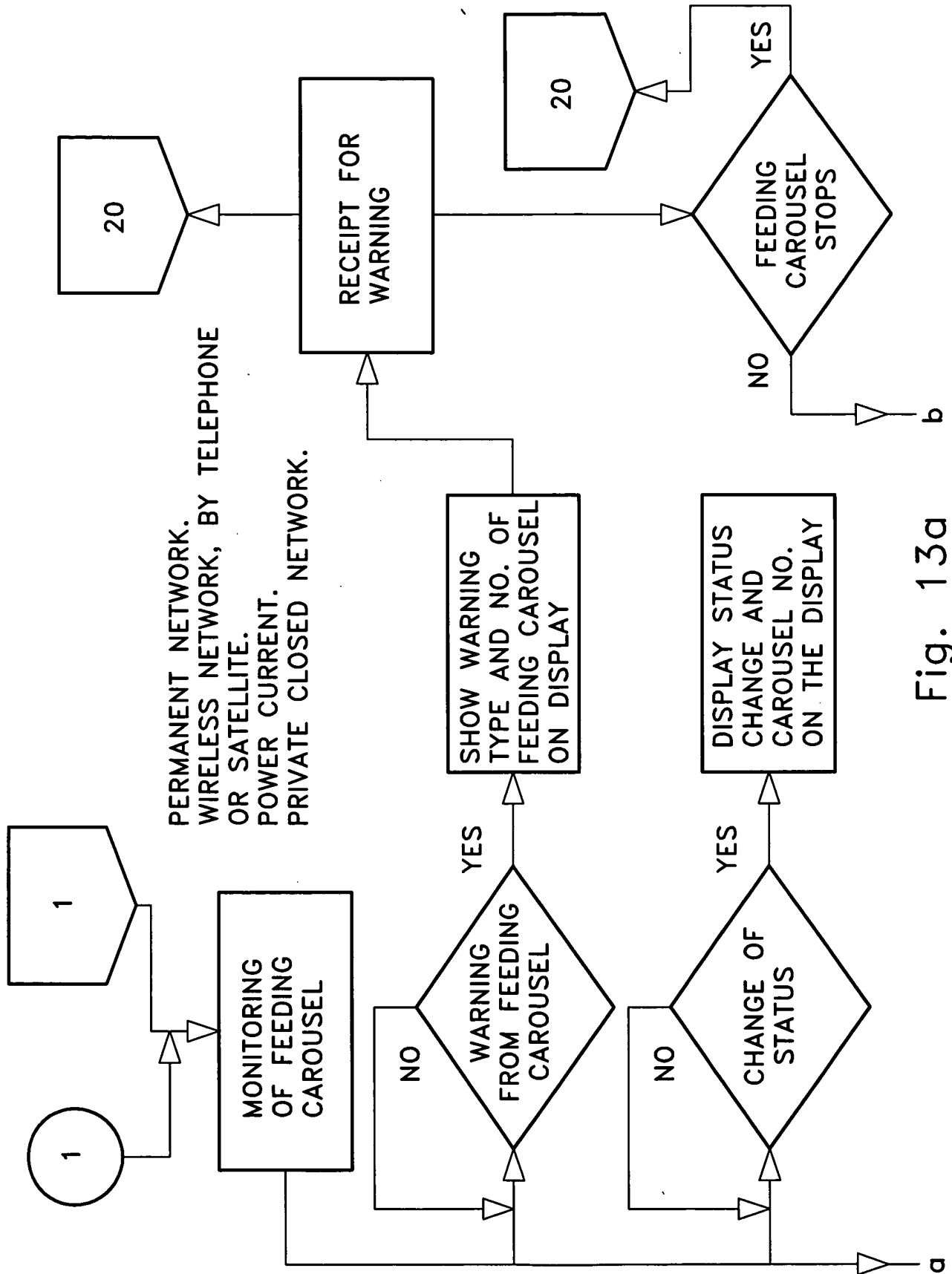


Fig. 13a

# Replacement Sheet

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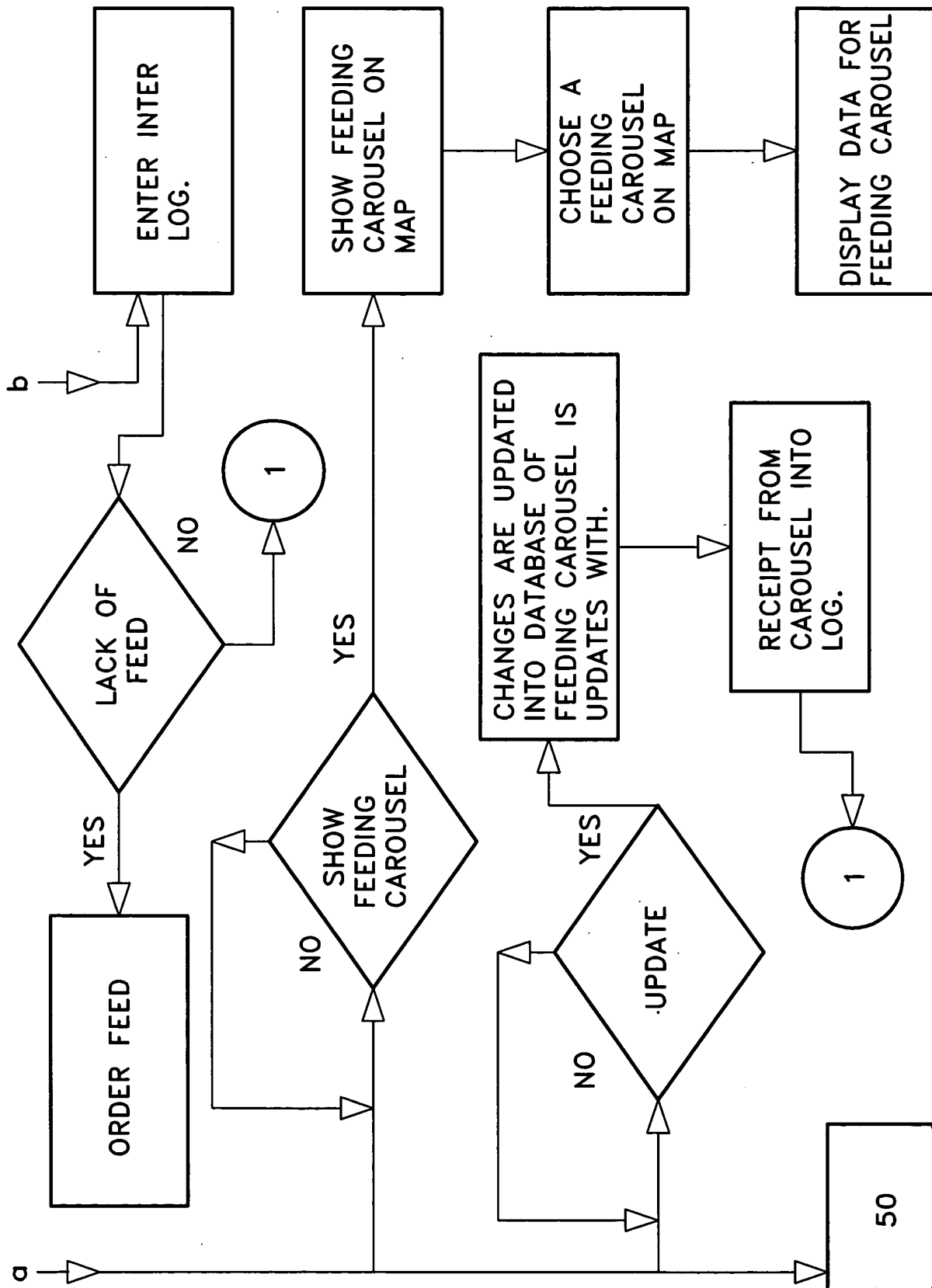


Fig. 13b

# Replacement Sheet

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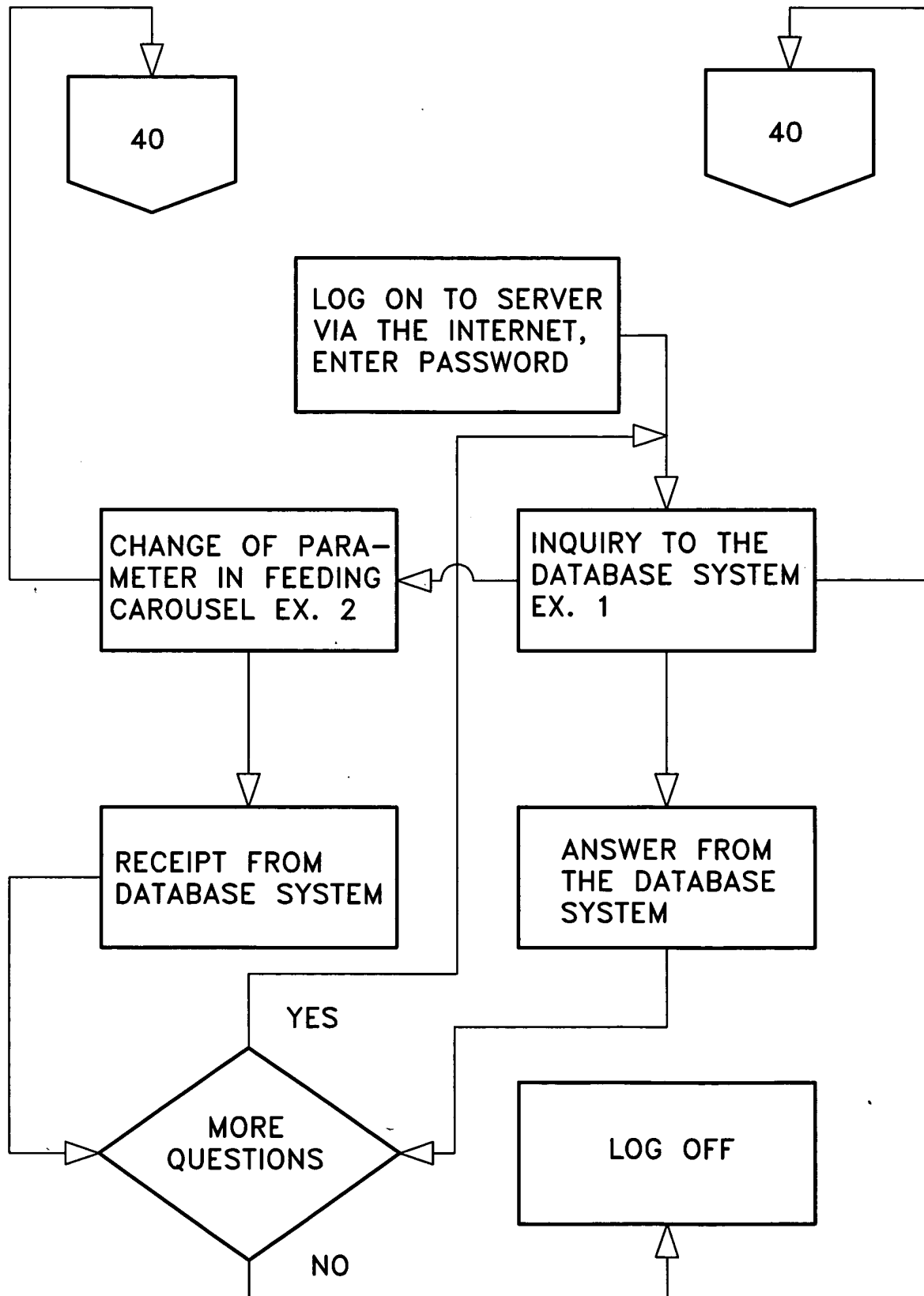


Fig. 14

# Replacement Sheet

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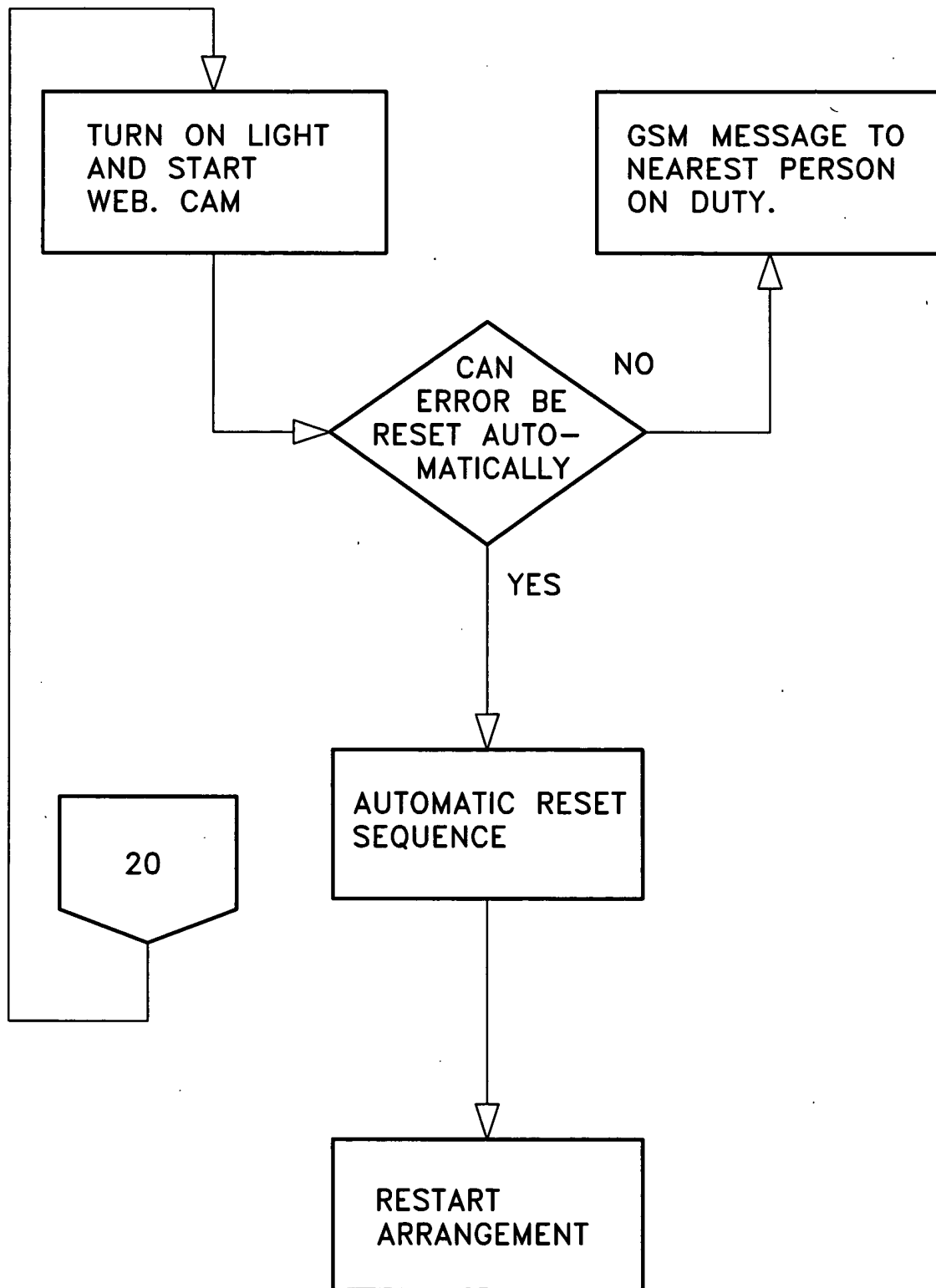


Fig. 15

# Replacement Sheet

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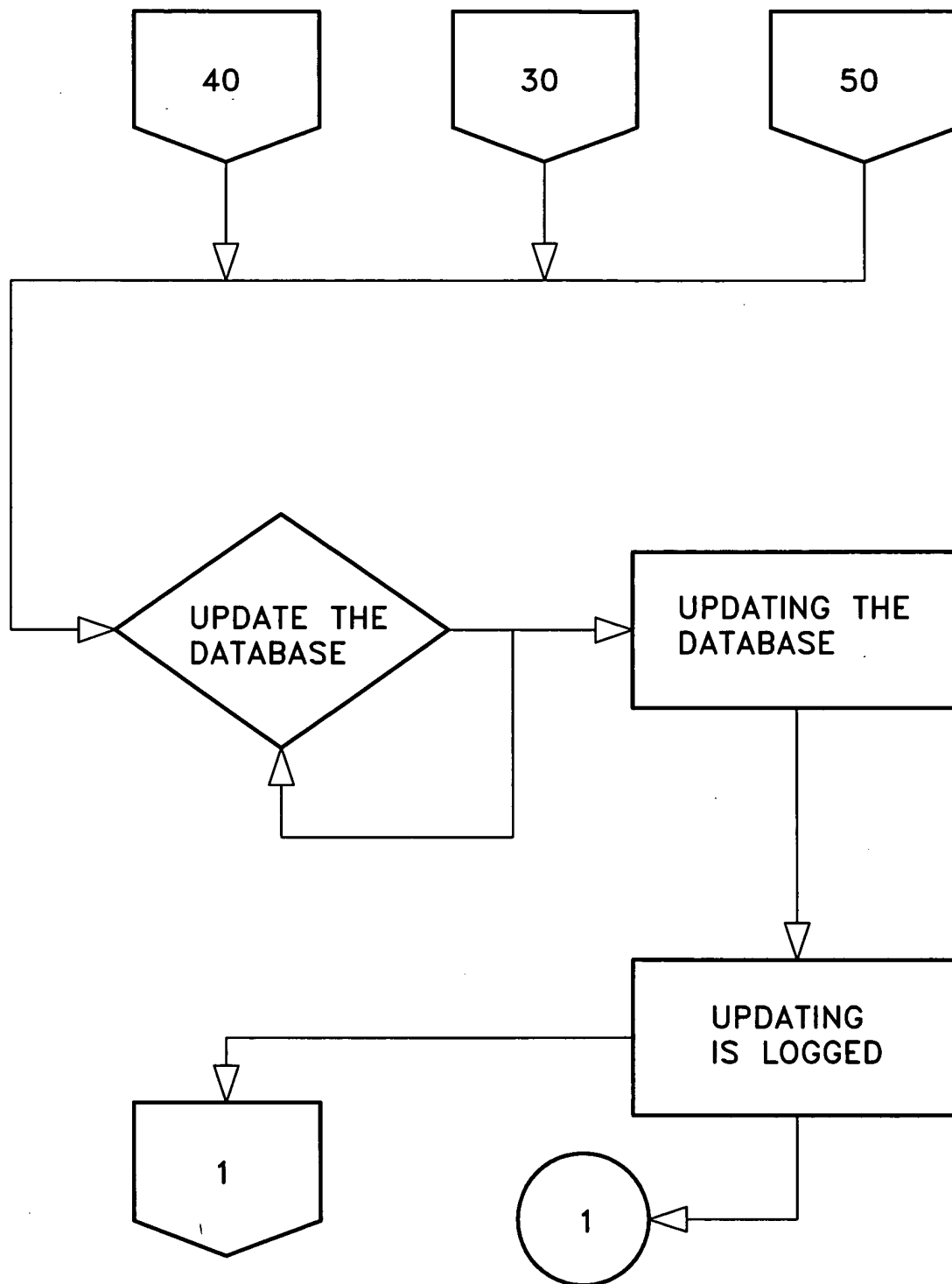


Fig. 16

# Replacement Sheet

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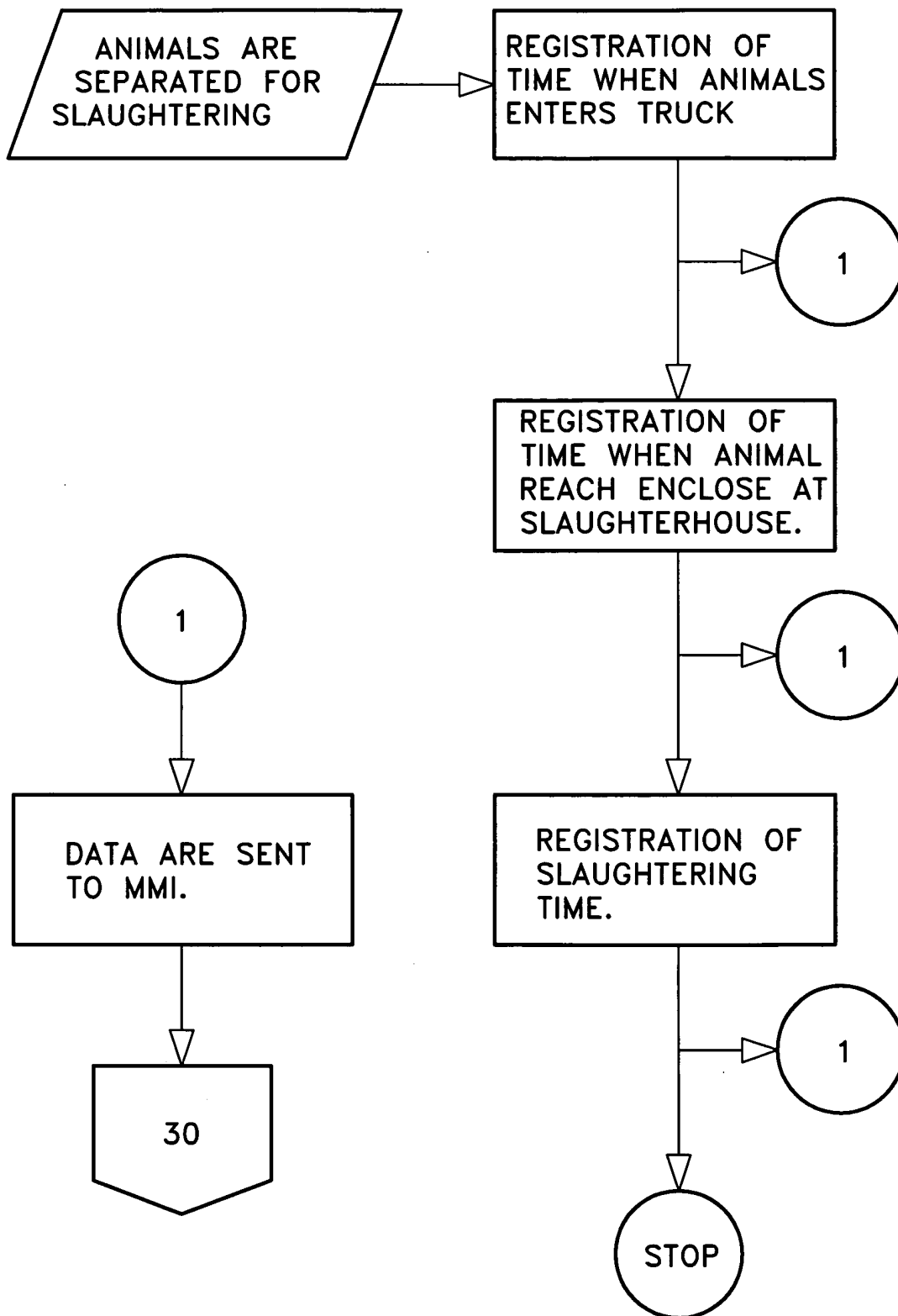


Fig. 17

# Replacement Sheet

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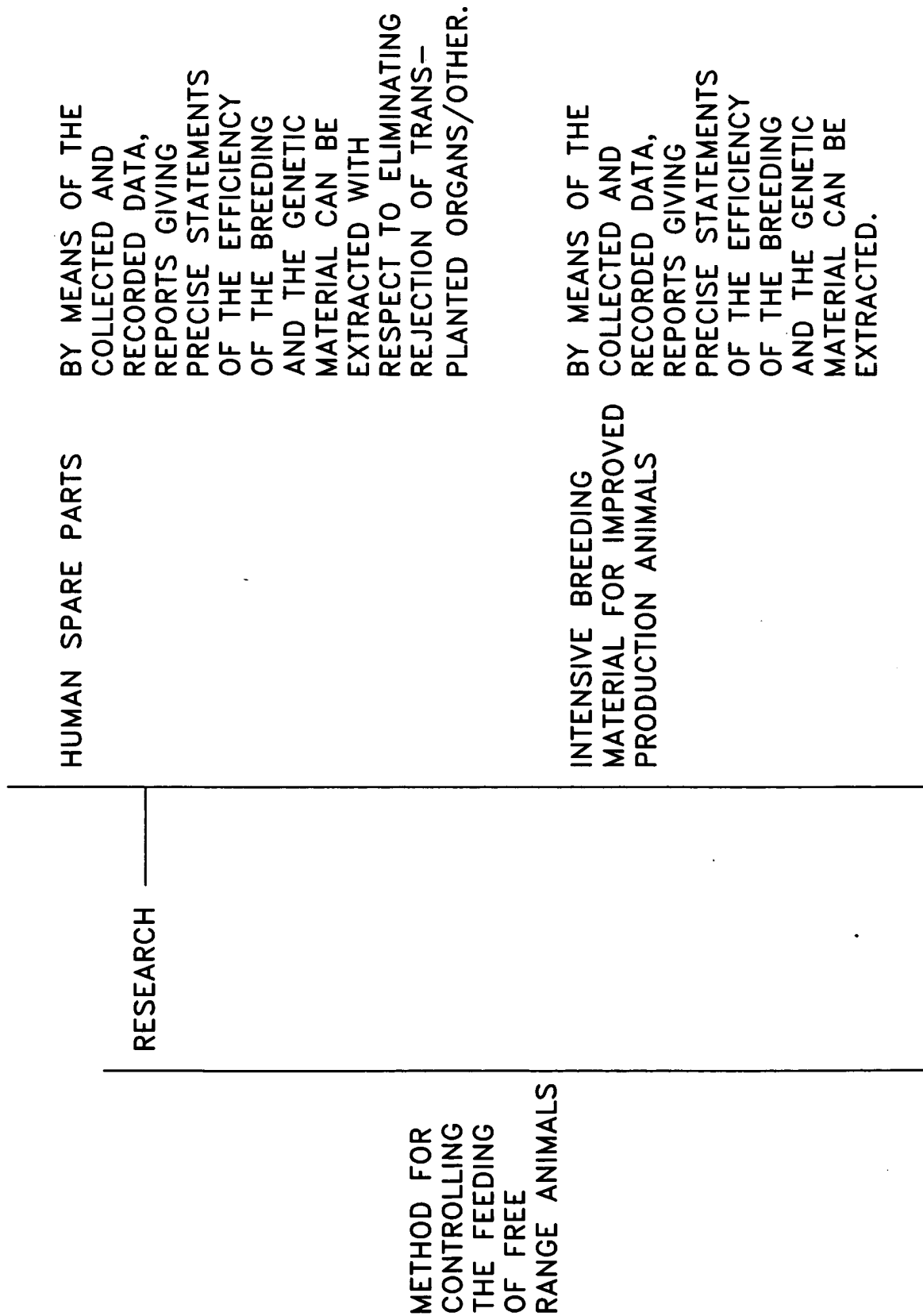


Fig. 18a

# Replacement Sheet

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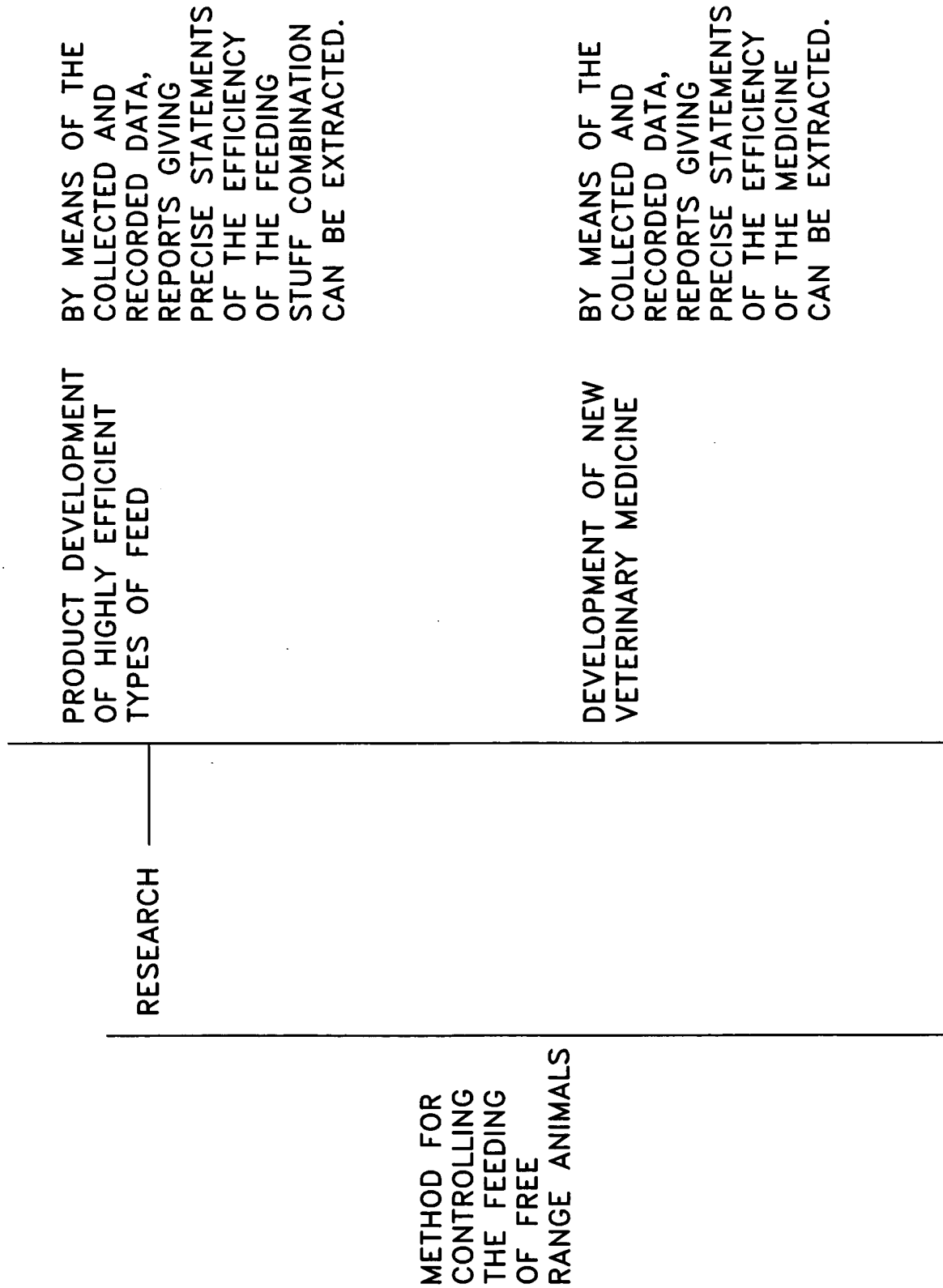


Fig. 18b



# Replacement Sheet

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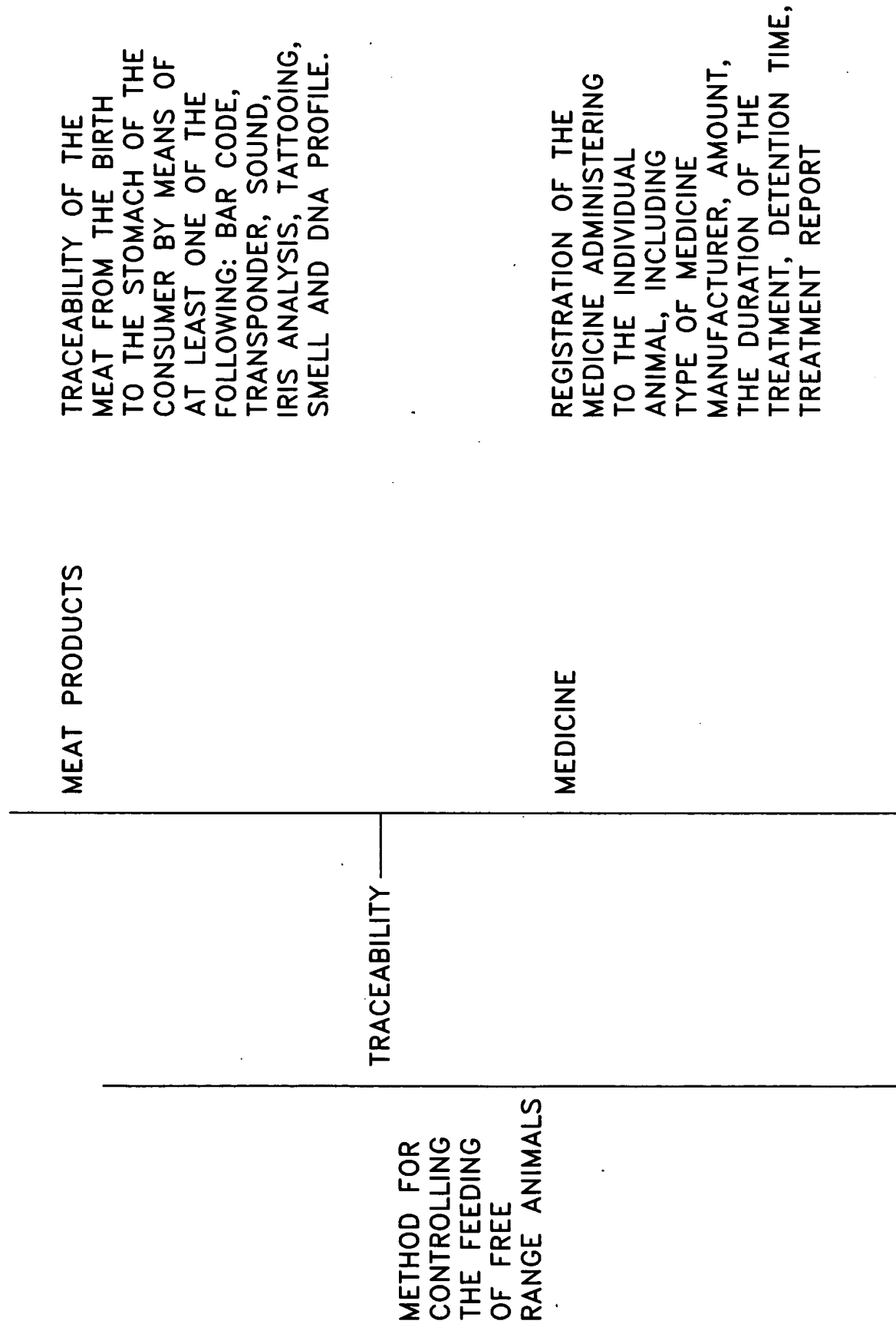


Fig. 18c

# Replacement Sheet

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<p>TRACEABILITY</p> <p>FEED</p>	<p>ALL FEED COMPONENTS ARE REGISTERED INCLUDING ORIGINS, SUPPLIER, FEEDING VALUE, SHELF LIFE, GMO STATUS, ENVIRONMENTAL STATUS</p>
<p>BREEDING/CORE MANAGEMENT</p>	<p>DOCUMENTATION OF THE BREEDING MATERIAL</p>
<p>METHOD FOR CONTROLLING THE FEEDING OF FREE RANGE ANIMALS</p>	<p>MONITORING OF THE FEEDING ROBOTS AND OTHER EQUIPMENT</p> <p>ALL EQUIPMENT IS MONITORED ALL 24 HOURS, DEFECTS ARE CORRECTED AND POSSIBLE MANUAL INTERVENTION IS CO-ORDINATED</p>
<p>MACHINE MANAGEMENT INTERFACE</p>	<p>COMMUNICATION</p> <p>COMMUNICATION BETWEEN THE FEEDING ROBOTS, MMI AND THE USER TAKES PLACE VIA PUBLIC NETS AND WIRELESS.</p>
<p>DATABASE DESIGN</p>	<p>CLOSED DATABASE STRUCTURE, INQUIRIES ARE ANSWERED VIA PREDETERMINED REPORTS AND THAT ORDERED OVER THE INTERNET.</p>

Fig. 18d

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METHOD FOR CONTROLLING THE FEEDING OF FREE RANGE ANIMALS	ELECTRONIC CARE	CONTROLLED FEEDING OF THE INDIVIDUAL ANIMAL	1 FEEDING KEY IS APPLIED AT A MINIMUM.
		CONTROL OF THE DOSED AMOUNT OF WATER FOR THE INDIVIDUAL ANIMAL	THE AMOUNT OF WATER IS COMPARED WITH NUMBERS OF EXPERIENCE BASED ON TEMPERATURE, WIND SPEED, HUMIDITY OF THE ATMOSPHERE, THE ANIMAL'S AGE, WEIGHT AND RACE.
		REGISTERING OF DATA	THE FOLLOWING DATA ARE REGISTERED REGULARLY: WEIGHT, TEMPERATURE, TIME, WATER CONSUMPTION, STRESS MANAGEMENT, BLOOD PRESSURE, PUPILS, ATTENDANCE CONTROL, SILHOUETTE PHOTOGRAPHING, FAT SCANNING AND MATING CONTROL BY MEANS OF AN ELECTRONIC NOSE.
		STOCK CHECK	MONITORING OF THE STOCK AND AUTOMATIC REORDERING OF A.O.: FEED, MEDICINE, AND WATER.

Fig. 18e

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<p>METHOD FOR CONTROLLING THE FEEDING OF FREE RANGE ANIMALS</p>	<p>SEPARATION OF THE INDIVIDUAL ANIMAL</p>	<p>FOR SLAUGHTERING, FOR OBSERVATION FOR ILLNESS, SORTING-OUT TAKES PLACE AUTOMATICALLY FROM THE REGISTERED DATA.</p>
<p>ELECTRONIC CARE</p>	<p>IDENTIFICATION OF THE INDIVIDUAL ANIMAL</p>	<p>THE IDENTITY OF THE ANIMAL IS MAINTAINED BY ONE OR MORE OF THE FOLLOWING: BAR CODE, TRANSPONDER, SOUND, IRIS ANALYSIS, TATTOOING AND SMELL.</p>
<p>MIXING THE FEED</p>	<p>CONTROL OF IN-TAKE OF FEEDING</p>	<p>BY MEANS OF IMAGE RECOGNITION POSSIBLE REMAINS IN THE FEEDING TROUGH ARE CONTROLLED AND EVALUATED AFTER THE ANIMAL HAS LEFT THE FEEDING ROBOT.</p>
		<p>THE FEED CAN BE MIXED BOTH IN RESPECT OF TYPE (SOY MEAL, SPECIES OF GRAIN, TURNIPS) AND WEIGHT CONDITIONS. VITAMINS AND AMINO ACIDS MAY BE ADDED.</p>

Fig. 18f